MY NEIGHBOURHOOD,

MY CHOICES

STUDENT BOOKLET

Interdisciplinary Learning and Evaluation Situation

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Elementary Cycle: 3  
Year: 2

A new highway is being constructed in your area to ease the flow of traffic on Mountain Street, one of the major traffic arteries in your area.

Developers are conducting research to decide where to build this highway.

They have weighed many options, and anywhere that they construct this highway will require the relocation of businesses and homes.

The developers have narrowed their choices to two areas:

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Option #1

The highway would go straight through the neighborhood surrounding your school.

This means that and area of 4 blocks north of your school, 6 blocks south of your school, and 1 block to both East and West of your school would be demolished to build the highway.

As you know, there are many family homes and small shops nearby. This option will force these homes, businesses and the school to relocate.

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Option #2

The highway would be constructed on the opposite side of Mountain Street.

It would run through what is currently undeveloped land. This land is used by cross-country skiers and on school field trips to exploring local habitats and wildlife. However, the land is for sale by the owner and could be purchased for commercial properties.

Furthermore, Option #2 would require the demolition of a community center and 2 senior citizen residences. One of these residences houses 80 retirees, the other houses 100 retirees.

Option #1 and Option #2 will both effect the same area in m2.

YOUR TASK

Your task is to decide which area would be a better choice for the construction of the highway.

You will need to consider such aspects as:

* population density,
* number of people affected,
* ease of relocation,
* moral and ethical decisions on what would affect the community most,
* and anything else you deem important.

The developers have already mapped the area of interest for Option #2. You can see this map on the next page.

In order to help the developers make a choice, your task involves mapping the area affected by Option #1.

You will use this to compare the two areas in question.

You will decide which area should be demolished in order to construct the highway, and present your arguments to the developers. You must use data that you collect to help support your choice.

Good luck and happy mapping!

MAP OF OPTION #2

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For this section, you will work in groups of 5.

Use this space to brainstorm how you are going to solve your problem.

**MY**

**PLAN**

How will you measure the area you are mapping?

What tools do you need?

In what order will you do things?

Outline your steps.

ROUGH DRAFT OF MAP OF OPTION #1

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SCALE:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

FINAL DRAFT OF MAP OF OPTION #1

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SCALE:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Using your map, determine what is being affected by the construction of a highway…

SHOW ALL YOUR WORK!!

**POPULATION DISTRIBUTION**

OPTION #1 OPTION #2

*Area:*

Solution:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Area:*

Solution:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Population:*

Solution:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Population:*

Solution:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Population Density (population/area):*

Solution:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Population Density (population/area):*

Solution:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**OTHER AFFECTED ESTABLISHMENTS…**

i.e. businesses, shops, schools, etc…

In your groups of 5, discuss both Option #1 and Option #2.   
Note at least 5 pros and 5 cons for each option (on the next two pages).   
Use the *Other Considerations* section for anything that you cannot easily place as a pro or a con.

**OPTION #1**

**OTHER CONSIDERATIONS**

**OPTION #2**

**OTHER CONSIDERATIONS**

Use this space to formulate a rough draft of your proposal to the developers.

This stage must be completed individually.

This proposal must help convince the developers that your choice of which area to be developed is best.

This means that any opinions you present must be grounded in facts. You must bring the evidence to the forefront. We have seen pros and cons for each option—you should not present your choice as the only option, but rather explain why it is better.

Remember to be concise.

**PROPOSAL TO DEVELOPPERS**

*Rough Draft*

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**PROPOSAL TO DEVELOPPERS**

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**I am proud that I accomplished \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**My contribution to working in a group was \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**While solving this problem, what I learnt this about myself was \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**I will try and be better at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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Overall, the grade I deserve is (*circle my response*):

**A+ A A- B+ B B- C+ C C-**



* **I have developed and described a plan to accomplish my task.**
* **I have produced a clear and well labeled map with a scale.**
* **I have shown all my work and computations while exploring area and population.**
* **I have taken a position on the problem.**
* **I can explain both positive and negative effects of my choice.**
* **I have considered the impact that my decision would have.**
* **I have respected and valued the opinions of my peers during debate.**
* **I have followed instructions and asked questions when I did not understand.**
* **I have used logical explanations and reasoning to support my position.**
* **I have written a clear, well edited final draft of my proposal.**